


**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

36-1987

10/577,736

APPLICANT

XU et al

FILING DATE

GROUP

(Use several sheets if necessary)

May 2, 2006

Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
1320060 A1	06/2003	Europe			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report dated April 11, 2005
	GB Search Report dated April 27, 2004
	Horpraset et al., "A Statistical Approach for Real-Time Robust Background Subtraction and Shadow Detection", IEEE, ICCV '99, FRAME-RATE Workshop, 1999
	McKenna et al., "Tracking Groups of People", COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, SAN DIEGO, CA, US, Vol. 80, No. 1, October 2000, pages 42-56, XP004439258
	Javed et al., "Tracking and Object Classification for Automated Surveillance", LECTURE NOTES IN COMPUTER SCIENCE, SPRINGER VERLAG, NEW YORK, NY, US, Vol. 2353, 2002, pages 343-357, XP002310656
	Haritaoglu et al., "W<4>: Who? When? Where? What? A real time System for Detecting and Tracking People; AUTOMATIC FACE AND GESTURE RECOGNITION, 1998, PROCEEDINGS. THIRD IEEE INTERNATIONAL CONFERENCE ON NARA, JAPAN, 14-16 April 1998, Los Alamitos, CA, USA, IEEE COMPUT.SOC. US, 14 April 1998, pages 222-227, XP010277655
	Prati et al., "Comparative Evaluation of Moving Shadow Detection Algorithms", PROCEEDINGS OF 3 RD WORKSHOP ON EMPIRICAL EVALUATION IN COMPUTER VISION, 10 December 2001, pages 1-18, XP002323906
	Jahne, "Digital Image Processing: Chapter 18: Morphology, pages 481-494, 2002, Springer, XP002324015
	Haritaoglu et al., "W ⁴ : Real-Time Surveillance of People and Their Activities", IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, Vol. 22, No. 8, August 2000
	Zhou et al., "Tracking and Classifying Moving Objects from Video", Computer and Vision Research Center, Department of Electrical and Computer Engineering, The University of Texas at Austin, circa 2001
	Javed et al., "A Hierarchical Approach to Robust Background Subtraction Using Color and Gradient Information", pages 1-6, Computer Vision Lab, School of Electrical Engineering and Computer Science, University of Central Florida, circa 2002
	Jabri et al., "Detection and Location of People in Video Images Using Adaptive Fusion of Color and Edge Information, Department of Computer Science, George Mason University, Fairfax, Virginia, circa 1999
	Stauffer et al., "Learning Patterns of Activity Using Real-Time Tracking", Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA 02139, pages 1-17, circa 1999
	Elgammal et al., "Background and Foreground Modeling Using Nonparametric Kernel Density Estimation for Visual Surveillance", PROCEEDINGS OF THE IEEE, Vol. 90, No. 7, July 2002, page 1151-1163
	Horpresert et al., "A Statistical Approach for Real-Time Robust Background Subtraction and Shadow Detection, Computer Vision Laboratory, University of Maryland, College Park, MD 20742, pages 1-19, circa 1999
	Xu et al., "Segmentation and Tracking of Multiple Moving Objects for Intelligent Video Analysis, BT TECHNOLOGY JOURNAL, Vol. 22, No. 3, July 2004, pages 140-150

/Thomas Conway/

11/24/2008

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Initial this form with next communication to application.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TC/